

POWER TRANSMISSION MECHANISM OF SHAFT AND HUB

CROSS-REFERENCE TO RELATED APPLICATION

This application is a National Stage entry of International Application No. PCT/JP2004/011080, filed 5 August 3, 2004, the entire specification claims and drawings of which are incorporated herewith by reference.

TECHNICAL FIELD

The present invention relates to a power transmitting mechanism for transmitting torque smoothly between two 10 members comprising a shaft and a hub.

BACKGROUND ART

On motor vehicles such as automobiles, there have been employed a set of constant velocity joints for transmitting 15 drive power from an engine through a shaft to axles. Each constant velocity joint comprises an outer member, an inner member, and a torque transmitting member disposed between the outer and inner members, for transmitting torque between the outer and inner members. The constant velocity joint 20 includes a shaft/hub unit having a tooth assembly which comprises a shaft tooth section on the shaft and a hub tooth section on a hub, the shaft tooth section and the hub tooth section being held in mesh with each other.

In recent years, there have been demands for efforts to 25 reduce circumferential backlash of constant velocity joints which is caused by the chattering of the power transmitting